

## ECS Configuration Change Request

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Page(s)

1. Originator Mike Helton	2. Log Date: 10/16/00	3. CCR #: 00-0793	4. Rev: C	5. Tel: 301-883-4091	6. Rm #: 2083	7. Dept. Dev. Eng
8. CCR Title: Clean-up Items for the IRIX OS Upgrade						
9. Originator Signature/Date Michael Helton 9/28/00		10. Class	11. Type: CCR	12. Need Date: <del>10/03/00</del> 11/20/00		
13. Office Manager Signature/Date [Signature] 10.13.00		14. Category of Change: PSR		15. Priority: (If "Emergency" fill in Block 28). Routine		
16. Documentation/Drawings Impacted: 910-TDA-003, 910-TDA-005, 920-TDx-002, 920-TDE-003		17. Schedule Impact: N/A		18. Cl(s) Affected:		
19. Release Affected by this Change: 5B		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other: M & O Schedule						
23. Problem: (use additional Sheets if necessary) <i>IN THE FUNCTIONALITY LAB</i> 1) The spg Hosts at all DAAC sites, the PVC and the VATC need to be upgraded from the IRIX 6.5.6 OS to the IRIX 6.5.9 OS. 2) Fix the proper location of the FLEXIm servers to the correct machines at EDC. 3) The machines e0drg01 and e0drg02 at the EDC DAAC should be removed and sent to the EDF. 4) The e0wkg01 machine at the EDC DAAC should have a backup. 5) There are minor corrections that need to be made to the baseline documentation.						
24. Proposed Solution: (use additional sheets if necessary) <i>IN THE FUNCTIONALITY LAB</i> 1) Upgrade the spg Hosts to run on the IRIX 6.5.9 OS and implement red-lines to update the baseline documentation as provided. 2) Change the FLEXIm servers from the drg machines at EDC to e0aqq02, e0spg05 and e0wkg01. <i>(ONLY FOR LOADS)</i> 3) Remove the e0drg01 and e0drg02 machines at the EDC DAAC and send to the EDF. 4) Configure the e0drg05 machine at the EDC DAAC to be a backup for the e0wkg01 machine. 5) Make corrections to baseline documentation as shown in the action list.						
25. Alternate Solution: (use additional sheets if necessary) N/A						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) IRIX transition schedule will be impacted.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input checked="" type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments: SEE ATTACHMENT PAGE FOR CLEARANCE CHANGE			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): [Signature]		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB				
33. M&O CCB Chair (Sign/Date): [Signature] 16 Oct 00		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB				

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## ADDITIONAL SHEET

CCR #: 00-0793 Rev: C Originator: Mike Helton

Telephone: 301-883-4091 Office: 2083

Title of Change: Clean-up Items for the IRIX OS Upgrade

A modification to the ClearCase script must be made when installing ClearCase v3.2.1 on an SGI running IRIX64 6.5.9m. If the adjustment is not made the following problem will occur:

(The client was g0spg10 and the ClearCase release area is on g0mss02)

```
g0spg10[root][392]-> pwd
/net/g0mss02/data1/OPS/COTS/ccase_rls/clearcase_v3.2.1/sgi6/install
g0spg10[root][393]-> ./install_release
ERROR: ****Unsupported architecture type:IRIX:6.5:07201607:IP27****
TBI: Need AIS get_gvar value for ATRIA_ADIR
g0spg10[root][394]-> uname -a
IRIX64 g0spg10 6.5 07201607 IP27
g0spg10[root][395]-> uname -R
6.5 6.5.9m
```

To work around this problem perform the following steps:

1. In the release area:  
`cd /usr/ecs/OPS/COTS/ccase_rls/clearcase_v3.2.1/sgi6/install/arch`
2. Edit the following file:  
`vi IRIX.pl`
3. Make these changes starting at line #56:  
## Workaround for the IRIX64 6.5.9m Origin (g0spg10).  
## Original Line  
# (((\$os\_ext\_rls eq "") || (\$os\_ext\_rls == /6.5.[123456]/))) {  
## Modified Line - Tim F. 9/27/00  
(((\$os\_ext\_rls eq "") || (\$os\_ext\_rls == /6.5.[123456789]/))) {

This is the line that tells the ClearCase "install\_release" script what the extended release range is for supported/certified OS levels. The extended release range is supported up to 6.5.6 in the original line. By adding the "789" into the last character range it tells the install script that the version is supported up to 6.5.9. The "78" isn't really needed but it covers the range up to what's required.

After making this modification the installation should go smoothly.

(This fix provided by Tim Finnegan of the GSFC DAAC and Kevin Lange of EDF.)

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